JOURNAL OF FLUID MECHANICS

INDEX OF AUTHORS OF PAPERS

&

INDEX OF BOOKS REVIEWED

IN VOLUMES 421–440

25 October 2000–10 August 2001

CAMBRIDGE
UNIVERSITY PRESS

The JOURNAL OF FLUID MECHANICS exists for the publication of theoretical and experimental investigations of all aspects of the mechanics of fluids.

FOUNDING EDITOR **Prof. G. K. Batchelor**

EDITORS

Prof. S. H. Davis, Department of Engineering Sciences and Applied Mathematics, Northwestern University, Evanston, IL 60208, USA. *FAX* 1 847 491 2178; sdavis@casbah.it.northwestern.edu

Prof. T. J. Pedley, Department of Applied Mathematics and Theoretical Physics, University of Cambridge, Silver Street, Cambridge CB3 9EW, UK. *FAX* 44 1223 337918; T.J.Pedley@damtp.cam.ac.uk

EDITORIAL ASSISTANT

Dr Linda Drath, DAMTP, University of Cambridge, Silver Street, Cambridge CB3 9EW, UK
Telephone 44 1223 337888; *FAX* 44 1223 337918; jfm@damtp.cam.ac.uk

ASSOCIATE EDITORS

Prof. R. J. Adrian, Department of Theoretical and Applied Mechanics, University of Illinois, 104 South Wright Street, Urbana, IL 61801-2935, USA. *FAX* 1 217 244 5707; r-adrian@uiuc.edu

Prof. J. F. Brady, Department of Chemical Engineering 210–41, California Institute of Technology, Pasadena, CA 91125, USA. *FAX* 1 626 568 8743; jfbrady-jfm@cheme.caltech.edu

Prof. F. H. Busse, Institute of Physics, University of Bayreuth, D-95440 Bayreuth, Germany. *FAX* 49 921 552999; busse@uni-bayreuth.de

Dr P. A. Davidson, Department of Engineering, University of Cambridge, Trumpington Street, Cambridge CB2 1PZ, UK. *FAX* 44 1223 332662; pad3@eng.cam.ac.uk

Prof. P. Huerre, Hydrodynamics Laboratory-LadHyX, Ecole Polytechnique, F-91128 Palaiseau, France. *FAX* 33 1 69 33 30 30; huerre.jfm@ladhyx.polytechnique.fr

Prof. S. K. Lele, Departments of Aeronautics & Astronautics and Mechanical Engineering, Durand Building, Stanford University, Stanford, CA 94305-4035, USA. *FAX* 1 415 725 3377; lele@leland.stanford.edu

Prof. C. C. Mei, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139, USA. *FAX* 1 617 253 6300; ccmei@mit.edu

Prof. M. J. Miksis, Department of Engineering Sciences and Applied Mathematics, Northwestern University, Evanston, IL 60208-3125, USA. *FAX* 1 847 491 2178; miksis@northwestern.edu

Dr N. Peake, DAMTP, University of Cambridge, Silver Street, Cambridge CB3 9EW, UK. *FAX* 44 1223 337918; N.Peake@damtp.cam.ac.uk

Prof. D. H. Peregrine, School of Mathematics, University of Bristol, Bristol BS8 1TW, UK. *FAX* 44 117 928 7999; d.h.peregrine@bristol.ac.uk

Prof. K. R. Sreenivasan†, Mason Laboratory, PO Box 208286, Yale University, New Haven, CT 06520, USA. *FAX* 1 203 432 4351; k.sreenivasan@yale.edu

Prof. P. H. Steen, School of Chemical Engineering, Cornell University, Olin Hall, Ithaca, NY 14853-5201, USA. *FAX* 1 607 255 9166; phs-jfm@cheme.cornell.edu

Prof. H. A. Stone, Division of Engineering & Applied Sciences, Harvard University, Cambridge, MA 02138, USA. *FAX* 1 617 495 9837; has-jfm@stokes.harvard.edu

Dr M. G. Worster, DAMTP, University of Cambridge, Silver Street, Cambridge CB3 9EW, UK. *FAX* 44 1223 337918; grae@esc.cam.ac.uk

Prof. W. R. Young, Scripps Institution of Oceanography, University of California, San Diego, Mail Code 0213, La Jolla, CA 92093, USA. *FAX* 1 858 534 9820; wryoung@ucsd.edu

BOOK REVIEW EDITOR

Dr J. M. Rallison, DAMTP, University of Cambridge, Silver Street, Cambridge CB3 9EW, UK. *FAX* 44 1223 337918; J.M.Rallison@damtp.cam.ac.uk

† Editor handling fast-track papers.

INDEX OF AUTHORS OF PAPERS

Abrahamsson, H. *See* George, Abrahamsson, Eriksson, Karlsson, Löfdahl & Wosnik

Acton, J. M., Huppert, H. E. & Worster, M. G.
Two-dimensional viscous gravity currents flowing over a deep porous medium, **440**, 2001, 359–380

Adams, N. A. *See* Maeder, Adams & Kleiser

Adrian, R. J. *See* Christensen & Adrian

Adrian, R. J., Meinhart, C. D. & Tomkins, C. D.
Vortex organization in the outer region of the turbulent boundary layer, **422**, 2000, 1–53

Agnon, Y. *See* Shemer, Jiao, Kit & Agnon

Agui, J. H. *See* Briassulis, Agui & Andreopoulos

Aidun, C. K. *See* Ding & Aidun

Aitta, A., Huppert, H. E. & Worster, M. G.
Diffusion-controlled solidification of a ternary melt from a cooled boundary, **432**, 2001, 201–217

Akylas, T. R. & Davis, K. S.
Three-dimensional aspects of nonlinear stratified flow over topography near the hydrostatic limit, **428**, 2001, 81–105

Alfredsson, P. H. *See* Matsubara & Alfredsson

Allouche, M., Frigaard, I. A. & Sona, G.
Static wall layers in the displacement of two visco-plastic fluids in a plane channel, **424**, 2000, 243–277

Anderson, E. J., Quinn, W. & DeMont, M. E.
Hydrodynamics of locomotion in the squid *Loligo pealei*, **436**, 2001, 249–266

Andersson, H. I. *See* Lygren & Andersson

Andersson, P., Brandt, L., Bottaro, A. & Henningson, D. S.
On the breakdown of boundary layer streaks, **428**, 2001, 29–60

Andreopoulos, Y. *See* Briassulis, Agui & Andreopoulos

Andreopoulos, Y. & Honkan, A.
An experimental study of the dissipative and vortical motion in turbulent boundary layers, **439**, 2001, 131–163

Anselmet, F. *See* Danaila, Anselmet, Zhou & Antonia

Antonia, R. A. *See* Danaila, Anselmet, Zhou & Antonia; Romano & Antonia

Arendt, S. *See* Garten, Werne, Fritts & Arendt

Arkilic, E. B., Breuer, K. S. & Schmidt, M. A.
Mass flow and tangential momentum accommodation in silicon micromachined channels, **437**, 2001, 29–44

Armendáriz, J. & Matalon, M.
Evaporation and combustion of thin films of liquid fuels, **435**, 2001, 351–376

Armi, L. *See* Flament, Lumpkin, Tournadre & Armi; Pawlak & Armi

Arnal, D. *See* Maslov, Shiplyuk, Sidorenko & Arnal

Atkhen, K., Fontaine, J. & Wesfreid, J. E.
Highly turbulent Couette–Taylor bubbly flow patterns, **422**, 2000, 55–68

Aurnou, J. M. & Olson, P. L.
Experiments on Rayleigh–Bénard convection, magnetoconvection and rotating magnetoconvection in liquid gallium, **430**, 2001, 283–307

Ayrault, M. *See* Vinçont, Simoëns, Ayrault & Wallace

Babiano, A. *See* Pasquero, Provenzale & Babiano

Bajer, K., Bassom, A. P. & Gilbert, A. D.
Accelerated diffusion in the centre of a vortex, **437**, 2001, 395–411

Balachandar, S., Buckmaster, J. D. & Short, M.
The generation of axial vorticity in solid-propellant rocket-motor flows, **429**, 2001, 283–305

Balmforth, N. J. & Craster, R. V.
Dynamics of cooling domes of viscoplastic fluid, **422**, 2000, 225–247

Balmforth, N. J., Llewellyn Smith, S. G. & Young, W. R.
Disturbing vortices, **426**, 2001, 95–133

Bankoff, S. G. *See* Kliakhandler, Davis & Bankoff; Tilley, Davis & Bankoff

Baroud, C. N. *See* Tian, Weeks, Ide, Urback, Baroud, Ghil & Swinney

Barreras, F. *See* Lozano, Barreras, Hauke & Dopazo

Bar-Yoseph, P. Z. *See* Gelfgat, Bar-Yoseph & Solan

Bassom, A. P. *See* Bajer, Bassom & Gilbert

Beckers, M., Verzicco, R., Clercx, H. J. H. & Heijst, G. J. F. van
Dynamics of pancake-like vortices in a stratified fluid: experiments, model and numerical simulations, **433**, 2001, 1–27

Beer, H. *See* Jeschke & Beer

Belcher, S. E. *See* Teixeira & Belcher

Bellan, J. *See* Miller, Harstad & Bellan

Ben Hadid, H. *See* Juel, Mullin, Ben Hadid & Henry

Benilov, E. S.
Waves on the beta-plane over sparse topography, **423**, 2000, 263–273
See also Reznik, Grimshaw & Benilov
Benjamin, M. A. *See* Liao, Jeng, Jog & Benjamin
Bladon, P. *See* Kendon, Cates, Pagonabarraga, Desplat & Bladon
Blake, J. R. *See* Otto, Yannacopoulos & Blake
Bloomfield, L. J. & Kerr, R. C.
A theoretical model of a turbulent fountain, **424**, 2000, 197–216
Boger, D. V. *See* Stokes, Graham, Lawson & Boger
Bontoux, P. *See* Serre, Crespo del Arco & Bontoux
Bontozoglou, V. *See* Vlachogiannis & Bontozoglou
Bottaro, A. *See* Andersson, Brandt, Bottaro & Henningson; Corbett & Bottaro
Brandt, A. *See* Maderich, Heijst & Brandt
Brandt, L. *See* Andersson, Brandt, Bottaro & Henningson
Braza, M., Faghani, D. & Persillon, H.
Successive stages and the role of natural vortex dislocations in three-dimensional wake transition, **439**, 2001, 1–41
Breuer, K. S. *See* Arkilic, Breuer & Schmidt; King & Breuer
Briassulis, G., Agui, J. H. & Andreopoulos, Y.
The structure of weakly compressible grid-generated turbulence, **432**, 2001, 219–283
Bridges, T. J.
Transverse instability of solitary-wave states of the water-wave problem, **439**, 2001, 255–278
Bridges, T. J., Dias, F. & Menasce, D.
Steady three-dimensional water-wave patterns on a finite-depth fluid, **436**, 2001, 145–175
Brinckman, K. W. & Walker, J. D. A.
Instability in a viscous flow driven by streamwise vortices, **432**, 2001, 127–166
Brio, M. *See* Zakharian, Brio, Hunter & Webb
Briscolini, M. *See* Carnevale, Briscolini & Orlandi
Brøns, M., Voigt, L. K. & Sørensen, J. N.
Topology of vortex breakdown bubbles in a cylinder with a rotating bottom and a free surface, **428**, 2001, 133–148
Brujan, E.-A., Nahen, K., Schmidt, P. & Vogel, A.
Dynamics of laser-induced cavitation bubbles near an elastic boundary, **433**, 2001, 251–281
Dynamics of laser-induced cavitation bubbles near elastic boundaries: influence of the elastic modulus, **433**, 2001, 283–314
Buckmaster, J. D. *See* Balachandar, Buckmaster & Short
Burgraff, O. R. *See* Radcliff, Burgraff & Conlisk
Busse, F. H. *See* Tilgner & Busse; Westerburg & Busse; Zhang, Earnshaw, Liao & Busse

Cadby, J. R. & Linton, C. M.
Three-dimensional water-wave scattering in two-layer fluids, **423**, 2000, 155–173
Cambon, C. *See* Godeferd, Cambon & Scott
Campos, L. M. B. C. & Kobayashi, M. H.
On the reflection and transmission of sound in a thick shear layer, **424**, 2000, 303–326
Cantwell, B. J. *See* Ellenrieder & Cantwell
Cardin, P. *See* Noir, Jault & Cardin
Carnevale, G. F., Briscolini, M. & Orlandi, P.
Buoyancy- to inertial-range transition in forced stratified turbulence, **427**, 2001, 205–239
Cassel, K. W.
The effect of convective heat transfer on unsteady boundary-layer separation, **428**, 2001, 107–131
Castillo, L. *See* Wosnik, Castillo & George
Cates, M. E. *See* Kendon, Cates, Pagonabarraga, Desplat & Bladon
Catrakis, H. J. *See* Dimotakis, Catrakis & Fourguette
Ceccio, S. L. *See* Laberteaux & Ceccio
Cerutti, S., Meneveau, C. & Knio, O. M.
Spectral and hyper eddy viscosity in high-Reynolds-number turbulence, **421**, 2000, 307–338
Cetiner, O. & Rockwell, D.
Streamwise oscillations of a cylinder in a steady current. Part 1. Locked-on states of vortex formation and loading, **427**, 2001, 1–28
Streamwise oscillations of a cylinder in a steady current. Part 2. Free-surface effects on vortex formation and loading, **427**, 2001, 29–59
Chapman, C. J.
Energy paths in edge waves, **426**, 2001, 135–154
Chen, D. *See* Lloyd, Stansby & Chen
Chen, F. *See* Chung & Chen
Chen, Y.-J. & Davis, S. H.
Flow-induced patterns in directional solidification: localized morphologies in three dimensional flows, **421**, 2000, 369–380
Chirokov, I. *See* Maté, Graur, Elizarova, Chirokov, Tejeda, Fernández & Montero
Choi, H. *See* Lee & Choi
Choi, H. G. & Joseph, D. D.
Fluidization by lift of 300 circular particles in plane Poiseuille flow by direct simulation, **438**, 2001, 101–128
Choi, K.-S. & Lumley, J. L.
The return to isotropy of homogeneous turbulence, **436**, 2001, 59–84

Chong, M. S. *See* Perry, Hafez & Chong
Christensen, K. T. & Adrian, R. J.
Statistical evidence of hairpin vortex packets in wall turbulence, **431**, 2001, 433–443
Christov, C. I. & Homsy, G. M.
Nonlinear dynamics of two-dimensional convection in a vertically stratified slot with and without gravity modulation, **430**, 2001, 335–360
Chung, C. A. & Chen, F.
Morphological instability in a directionally solidifying binary solution with an imposed shear flow, **436**, 2001, 85–106
Chung, J. N. *See* Ling, Chung & Crowe; Su & Chung
Chwang, A. T. *See* Zhang & Chwang
Clanet, C.
Dynamics and stability of water bells, **430**, 2001, 111–147
Clercx, H. J. H. *See* Beckers, Verzicco, Clercx & Heijst
Cointe, R. *See* Fontaine, Faltinsen & Cointe
Colonius, T. *See* Mohseni, Ran & Colonius
Comer, J. K., Kleinstreuer, C. & Kim, C. S.
Flow structures and particle deposition patterns in double-bifurcation airway models. Part 2. Aerosol transport and deposition, **435**, 2001, 55–80
Comer, J. K., Kleinstreuer, C. & Zhang, Z.
Flow structures and particle deposition patterns in double-bifurcation airway models. Part 1. Air flow fields, **435**, 2001, 25–54
Conlisk, A. T. *See* Radcliff, Burgraff & Conlisk
Conrad, C. P. *See* Lithgow-Bertelloni, Richards, Conrad & Griffiths
Corbett, P. & Bottaro, A.
Optimal linear growth in swept boundary layers, **435**, 2001, 1–23
Corke, T. C. *See* Wanderley & Corke
Cortelezzi, L. *See* Or, Cortelezzi & Speyer
Cossali, G. E.
An integral model for gas entrainment into full cone sprays, **439**, 2001, 353–366
Cowley, S. J. *See* Moston, Stewart & Cowley
Craft, T. J. & Launder, B. E.
On the spreading mechanism of the three-dimensional turbulent wall jet, **435**, 2001, 305–326
Craik, A. D. D.
A model for subharmonic resonance within wavepackets in unstable boundary layers, **432**, 2001, 409–418
Craster, R. V. *See* Balmforth & Craster
Craster, R. V. & Matar, O. K.
Surfactant transport on mucus films, **425**, 2000, 235–258
Crespo del Arco, E. *See* Serre, Crespo del Arco & Bontoux
Crighton, D. G. *See* Delale & Crighton; Green & Crighton
Crowe, C. T. *See* Ling, Chung & Crowe
Crutchfield, W. Y. *See* Henderson, Takayama, Crutchfield & Itabashi
Cummins, I. P. *See* Swan, Cummins & James

Dahlkild, A. A.
Modelling the two-phase flow and current distribution along a vertical gas-evolving electrode, **428**, 2001, 249–272
Dalrymple, R. A. *See* Haller & Dalrymple
Danaila, L., Anselmet, F., Zhou, T. & Antonia, R. A.
Turbulent energy scale budget equations in a fully developed channel flow, **430**, 2001, 87–109
Darekar, R. M. & Sherwin, S. J.
Flow past a square-section cylinder with a wavy stagnation face, **426**, 2001, 263–295
Davies, P. A. *See* Hewitt, Foster & Davies
Dávila, J. & Hunt, J. C. R.
Settling of small particles near vortices and in turbulence, **440**, 2001, 117–145
Davis, A. M. J. *See* James & Davis
Davis, K. S. *See* Akylas & Davis
Davis, R. H. *See* Wilson & Davis
Davis, S. H. *See* Chen & Davis; Kliakhandler, Davis & Bankoff; Tilley, Davis & Bankoff
Dawes, J. H. P.
Rapidly rotating thermal convection at low Prandtl number, **428**, 2001, 61–80
DeGraff, D. B. & Eaton, J. K.
Reynolds-number scaling of the flat-plate turbulent boundary layer, **422**, 2000, 319–346
Delale, C. F. & Crighton, D. G.
Prandtl–Meyer flows with homogeneous condensation. Part 2. Supercritical flows, **430**, 2001, 231–265
Delale, C. F., Schnerr, G. H. & Sauer, J.
Quasi-one-dimensional steady-state cavitating nozzle flows, **427**, 2001, 167–204
DeMont, M. E. *See* Anderson, Quinn & DeMont
Desplat, J.-C. *See* Kendon, Cates, Pagonabarraga, Desplat & Bladon
Dias, F. *See* Bridges, Dias & Menasce; Părău & Dias
Dimitrakopoulos, P. & Higdon, J. J. L.
On the displacement of three-dimensional fluid droplets adhering to a plane wall in viscous pressure-driven flows, **435**, 2001, 327–350
Dimotakis, P. E., Catrakis, H. J. & Fourguette, D. C.
Flow structure and optical beam propagation in high-Reynolds-number gas-phase shear layers and jets, **433**, 2001, 105–134

Ding, E. & Aidun, C. K.
The dynamics and scaling law for particles suspended in shear flow with inertia, **423**, 2000, 317–344
Dopazo, C. *See* Lozano, Barreras, Hauke & Dopazo
Doronina, T. N. *See* Gryanik, Doronina, Olbers & Warncke
Dritschel, D. G. *See* Lam & Dritschel
Druzhinin, O. A. & Elghobashi, S. E.
Direct numerical simulation of a three-dimensional spatially developing bubble-laden mixing layer with two-way coupling, **429**, 2001, 23–61
Duffy, B. R. *See* Ross, Wilson & Duffy
Duncan, J. H. *See* Qiao & Duncan
Durbin, P. A. *See* Jacobs & Durbin
Důsek, J. *See* Ghidersa & Důsek

Eames, I. *See* Gilbertson & Eames
Eames, I. & Gilbertson, M. A.
Aerated granular flow over a horizontal rigid surface, **424**, 2000, 169–195
Earnshaw, P. *See* Zhang, Earnshaw, Liao & Busse
Eaton, J. K. *See* DeGraff & Eaton; Rouson & Eaton
Eckett, C. A., Quirk, J. J. & Shepherd, J. E.
The role of unsteadiness in direct initiation of gaseous detonations, **421**, 2000, 147–183
Ehrhard, P.
Laminar mixed convection in two-dimensional far wakes above heated/cooled bodies: model and experiments, **439**, 2001, 165–198
Elcrat, A., Fornberg, B. & Miller, K.
Some steady axisymmetric vortex flows past a sphere, **433**, 2001, 315–328
Elghobashi, S. E. *See* Druzhinin & Elghobashi
Elizarova, T. *See* Maté, Graur, Elizarova, Chirokov, Tejeda, Fernández & Montero
Ellenrieder, K. D. von & Cantwell, B. J.
Self-similar, slightly compressible, free vortices, **423**, 2000, 293–315
Ellingsen, K. & Risso, F.
On the rise of an ellipsoidal bubble in water: oscillatory paths and liquid-induced velocity, **440**, 2001, 235–268
Elsberry, K., Loeffler, J., Zhou, M. D. & Wygnanski, I.
An experimental study of a boundary layer that is maintained on the verge of separation, **423**, 2000, 227–261
Eriksson, J. *See* George, Abrahamsson, Eriksson, Karlsson, Löfdahl & Wosnik
Eversman, W. *See* Rienstra & Eversman

Faghani, D. *See* Braza, Faghani & Persillon
Falcovitz, J. *See* Igra, Wu, Falcovitz, Meguro, Takayama & Heilig
Faller, A. J.
The constant *V*-vortex, **434**, 2001, 167–180
Faltinsen, O. M. *See* Fontaine, Faltinsen & Cointe
Faltinsen, O. M. & Timokha, A. N.
An adaptive multimodal approach to nonlinear sloshing in a rectangular tank, **432**, 2001, 167–200
Fan, Y., Phan-Thien, N. & Tanner, R. I.
Tangential flow and advective mixing of viscoplastic fluids between eccentric cylinders, **431**, 2001, 65–89
Fan, Y., Tanner, R. I. & Phan-Thien, N.
Fully developed viscous and viscoelastic flows in curved pipes, **440**, 2001, 327–357
Feng, J. & Weinbaum, S.
Lubrication theory in highly compressible porous media: the mechanics of skiing, from red cells to humans, **422**, 2000, 281–317
Fernández, J. M. *See* Maté, Graur, Elizarova, Chirokov, Tejeda, Fernández & Montero
Fernando, H. J. S. *See* Strang & Fernando
Ffowcs Williams, J. E.
David Crighton 1942–2000: a commentary on his career and his influence on aeroacoustic theory, **437**, 2001, 1–11
Finch, J. A. *See* Zhang & Finch
Fish, J. *See* Giddings, Rusak & Fish
Flament, P., Lumpkin, R., Tournadre, J. & Armi, L.
Vortex pairing in an unstable anticyclonic shear flow: discrete subharmonics of one pendulum day, **440**, 2001, 401–409
Fontaine, E., Faltinsen, O. M. & Cointe, R.
New insight into the generation of ship bow waves, **421**, 2000, 15–38
Fontaine, J. *See* Atkhen, Fontaine & Wesfreid
Forbes, L. K. *See* Hocking & Forbes
Fornberg, B. *See* Elcrat, Fornberg & Miller
Foster, M. R. *See* Hewitt, Foster & Davies
Fourguette, D. C. *See* Dimotakis, Catrakis & Fourguette
Fox, R. O. *See* Vedula, Yeung & Fox
Freund, J. B.
Noise sources in a low-Reynolds-number turbulent jet at Mach 0.9, **438**, 2001, 277–305
Freund, J. B., Lele, S. K. & Moin, P.
Compressibility effects in a turbulent annular mixing layer. Part 1. Turbulence and growth rate, **421**, 2000, 229–267
Freund, J. B., Moin, P. & Lele, S. K.
Compressibility effects in a turbulent annular mixing layer. Part 2. Mixing of a passive scalar, **421**, 2000, 269–292
Friedrich, R. *See* Renner, Peinke & Friedrich
Frigaard, I. A. *See* Allouche, Frigaard & Sona
Fritts, D. C. *See* Garten, Werne, Fritts & Arendt
Fukuda, T. *See* Howe, Iida, Fukuda & Maeda

Gammack, D. & Hydon, P. E.
Flow in pipes with non-uniform curvature and torsion. **433**, 2001, 357–382
García-Schäfer, J. E. & Liñán, A.
Longitudinal acoustic instabilities in slender solid propellant rockets: linear analysis. **437**, 2001, 229–254
Garten, J. F., Werne, J., Fritts, D. C. & Arendt, S.
Direct numerical simulations of the Crow instability and subsequent vortex reconnection in a stratified fluid. **426**, 2001, 1–45
Gaster, M.
On the growth of waves in boundary layers: a non-parallel correction. **424**, 2000, 367–377
Gelfgat, A. Yu., Bar-Yoseph, P. Z. & Solan, A.
Three-dimensional instability of axisymmetric flow in a rotating lid–cylinder enclosure. **438**, 2001, 363–377
George, W. K. See Wosnik, Castillo & George
George, W. K., Abrahamsson, H., Eriksson, J., Karlsson, R. I., Löfdahl, L. & Wosnik, M.
A similarity theory for the turbulent plane wall jet without external stream. **425**, 2000, 367–411
Georgeot, B. See Ricotard, Georgeot & Valdettaro
Gerbeth, G. See Grants & Gerbeth
Ghidersa, B. & Dusek, J.
Breaking of axisymmetry and onset of unsteadiness in the wake of a sphere. **423**, 2000, 33–69
Ghil, M. See Tian, Weeks, Ide, Urback, Barnard, Ghil & Swinney
Giddings, T. E., Rusak, Z. & Fish, J.
A transonic small-disturbance model for the propagation of weak shock waves in heterogeneous gases. **429**, 2001, 255–281
Gilbert, A. D. See Bajer, Bassom & Gilbert; Ponty, Gilbert & Soward
Gilbertson, M. A. See Eames & Gilbertson
Gilbertson, M. A. & Eames, I.
Segregation patterns in gas-fluidized systems. **433**, 2001, 347–356
Giles, M. B. & Pierce, N. A.
Analytic adjoint solutions for the quasi-one-dimensional Euler equations. **426**, 2001, 327–345
Girimaji, S. S.
Pressure–strain correlation modelling of complex turbulent flows. **422**, 2000, 91–123
Glowinski, R. See Pan, Joseph & Glowinski
Godeferd, F. S., Cambon, C. & Scott, J. F.
Two-point closures and their applications: report on a workshop. **436**, 2001, 393–407
Goldstein, M. E. See Wundrow & Goldstein
Gossler, A. A. & Marshall, J. S.
Simulation of normal vortex cylinder interaction in a viscous fluid. **451**, 2001, 371–405
Gourlay, I. P.
The supercritical bore produced by a high-speed ship in a channel. **434**, 2001, 399–409
Govindarajan, R. & Narasimha, R.
Estimating amplitude ratios in boundary layer stability theory: a comparison between two approaches. **439**, 2001, 403–412
Graham, D. R. & Higdon, J. J. L.
Oscillatory flow of droplets in capillary tubes. Part 1. Straight tubes. **425**, 2000, 31–53
Oscillatory flow of droplets in capillary tubes. Part 2. Constricted tubes. **425**, 2000, 55–77
Graham, L. J. W. See Stokes, Graham, Lawson & Boger
Grants, I. & Gerbeth, G.
Stability of axially symmetric flow driven by a rotating magnetic field in a cylindrical cavity. **431**, 2001, 407–425
Graur, I. A. See Maté, Graur, Elizarova, Chirokov, Tejeda, Fernández & Montero
Green, M. R. & Crighton, D. G.
Fluid-loaded elastic plate with mean flow: point forcing and three-dimensional effects. **428**, 2001, 305–331
Greenwood, M. S. See Speth, Horaito, Sangani, Greenwood & Tavlarides
Griffiths, R. W. See Ellegaard, Bertelsen, Richards, Conrad & Griffiths; Wong, Griffiths & Hughes
Grimshaw, R. See Reznik, Grimshaw & Benilov
Grinstein, F. F.
Vortex dynamics and entrainment in rectangular free jets. **437**, 2001, 69–101
Grossmann, S., Heydt, A. von der & Lohse, D.
Scaling exponents in weakly anisotropic turbulence from the Navier–Stokes equation. **440**, 2001, 381–390
Gryanik, V. M., Doronina, T. N., Olbers, D. J. & Warncke, T. H.
The theory of three-dimensional lictons and vortex-dominated spreading in localized turbulent convection in a fast rotating stratified fluid. **423**, 2000, 71–125
Guba, P.
On the finite-amplitude steady convection in rotating mushy layers. **437**, 2001, 337–365

Hafez, S. See Perry, Hafez & Chong
Haller, M. C. & Dalrymple, R. A.
Rip current instabilities. **433**, 2001, 161–192
Harstad, K. G. See Miller, Harstad & Bellan
Härtel, C. See Meiburg, Wallner, Pagella, Riaz, Härtel & Necker
Hasnaoui, M. See Mamou, Vasseur & Hasnaoui

Hattori, Y. *See* Inoue, Hattori & Sasaki
Hauke, G. *See* Lozano, Barreras, Hauke & Dopazo
Hawa, T. & Rusak, Z.
The dynamics of laminar flow in a symmetric channel with a sudden expansion, **436**, 2001, 283–320
Heijst, G. J. F. van *See* Beckers, Verzicco, Clercx & Heijst; Maderich, Heijst & Brandt
Heil, M.
Finite Reynolds number effects in the propagation of an air finger into a liquid-filled flexible-walled channel, **424**, 2000, 21–44
Heilig, W. *See* Igra, Wu, Falcovitz, Meguro, Takayama & Heilig
Helfrich, K. R. *See* Wells & Helfrich
Henderson, L. F., Takayama, K., Crutchfield, W. Y. & Itabashi, S.
The persistence of regular reflection during strong shock diffraction over rigid ramps, **431**, 2001, 273–296
Henningson, D. S. *See* Andersson, Brandt, Bottaro & Henningson
Henry, D. *See* Juel, Mullin, Ben Hadid & Henry
Hernández, J. A.
Instabilities induced by concentration gradients in dusty gases, **435**, 2001, 247–260
Herring, J. R. *See* Kimura & Herring
Hewitt, G. F. *See* Hunt, Sandham, Vassilicos, Launder, Monkewitz & Hewitt
Hewitt, R. E., Foster, M. R. & Davies, P. A.
Spin-up of a two-layer rotating stratified fluid in a variable-depth container, **438**, 2001, 379–407
Heydt, A. von der *See* Grossmann, Heydt & Lohse
Higdon, J. J. L. *See* Dimitrakopoulos & Higdon; Graham & Higdon
Hill, R. J.
Equations relating structure functions of all orders, **434**, 2001, 379–388
Hillier, R. *See* Jackson, Hillier & Soltani
Hirsa, A. H. *See* Reed, Hirsa & Steen
Hirschberg, A. *See* Hulshoff, Hirschberg & Hofmans
Hishida, K. *See* Sakakibara, Hishida & Phillips
Hocking, G. C. & Forbes, L. K.
Supercritical withdrawal from a two-layer fluid through a line sink if the lower layer is of finite depth, **428**, 2001, 333–348
Hofmans, G. C. J. *See* Hulshoff, Hirschberg & Hofmans
Homsy, G. M. *See* Christov & Homsy
Honkan, A. *See* Andreopoulos & Honkan
Hood, M. J. *See* Hurley & Hood
Horn, D. A., Imberger, J. & Ivey, G. N.
The degeneration of large-scale interfacial gravity waves in lakes, **434**, 2001, 181–207
Horn, D. A., Redekopp, L. G., Imberger, J. & Ivey, G. N.
Internal wave evolution in a space–time varying field, **424**, 2000, 279–301
Hornung, H. G. & Schwendeman, D. W.
Oblique shock reflection from an axis of symmetry: shock dynamics and relation to the Guderley singularity, **438**, 2001, 231–245
Howe, M. S., Iida, M., Fukuda, T. & Maeda, T.
Theoretical and experimental investigation of the compression wave generated by a traub entering a tunnel with a flared portal, **425**, 2000, 111–132
Howe, M. S., Lauchle, G. C. & Wang, J.
Aerodynamic lift and drag fluctuations of a sphere, **436**, 2001, 41–57
Huang, C.-T. & Khomami, B.
The role of dynamic modulation in the stability of viscoelastic flow down an inclined plane, **425**, 2000, 213–233
Huang, P. Y. *See* Patankar, Huang, Ko & Joseph
Huerre, P. *See* Pier & Huerre
Hughes, G. O. *See* Wong, Griffiths & Hughes
Hulshoff, S. J., Hirschberg, A. & Hofmans, G. C. J.
Sound production of vortex–nozzle interactions, **439**, 2001, 335–362
Hunt, G. R. & Kaye, N. G.
Virtual origin correction for lazy turbulent plumes, **435**, 2001, 377–396
Hunt, G. R. & Linden, P. F.
Steady-state flows in an enclosure ventilated by buoyancy forces assisted by wind, **426**, 2001, 355–386
Hunt, J. C. R. *See* Dávila & Hunt
Hunt, J. C. R., Sandham, N. D., Vassilicos, J. C., Launder, B. E., Monkewitz, P. A. & Hewitt, G. F.
Developments in turbulence research: a review based on the 1999 programme of the Isaac Newton Institute, Cambridge, **436**, 2001, 353–391
Hunt, M. L. *See* Joseph, Zenit, Hunt & Rosenwinkel
Hunter, J. K. *See* Zakharian, Brio, Hunter & Webb
Huppert, H. E.
George Keith Batchelor, **421**, 2000, 1–14
See also Acton, Huppert & Worster; Aitta, Huppert & Worster
Hurley, D. G. & Hood, M. J.
The generation of internal waves by vibrating elliptic cylinders. Part 3. Angular oscillations and comparison of theory with recent experimental observations, **433**, 2001, 61–75
Hydon, P. E. *See* Gammack & Hydon
Hyun, J. M. *See* Park & Hyun

Ide, K. *See* Tian, Weeks, Ide, Urback, Baroud, Ghil & Swinney

Ierley, G. & Miles, J. W.
On Townsend's rapid distortion model of the turbulent-wind-wave problem, **435**, 2001, 175–189

Igra, O., Wu, X., Falcovitz, J., Meguro, T., Takayama, K. & Heilig, W.
Experimental and theoretical study of shock wave propagation through double-bend ducts, **437**, 2001, 255–282

Iida, M. *See* Howe, Iida, Fukuda & Maeda

Imberger, J. *See* Horn, Imberger & Ivey; Horn, Redekopp, Imberger & Ivey

Inoue, O., Hattori, Y. & Sasaki, T.
Sound generation by coaxial collision of two vortex rings, **424**, 2000, 327–365

Itabashi, S. *See* Henderson, Takayama, Crutchfield & Itabashi

Ivey, G. N. *See* Horn, Imberger & Ivey; Horn, Redekopp, Imberger & Ivey

Jackson, A. P., Hillier, R. & Soltani, S.
Experimental and computational study of laminar cavity flows at hypersonic speeds, **427**, 2001, 329–358

Jacobs, R. G. & Durbin, P. A.
Simulations of bypass transition, **428**, 2001, 185–212

James, D. F. & Davis, A. M. J.
Flow at the interface of a model fibrous porous medium, **426**, 2001, 47–72

James, R. L. *See* Swan, Cummins & James

Jault, D. *See* Noir, Jault & Cardin

Jeng, S. M. *See* Liao, Jeng, Jog & Benjamin

Jeschke, P. & Beer, H.
Longitudinal vortices in a laminar natural convection boundary layer flow on an inclined flat plate and their influence on heat transfer, **432**, 2001, 313–339

Jiao, H. *See* Shemer, Jiao, Kit & Agnon

Jiménez, J. & Simens, M. P.
Low-dimensional dynamics in a turbulent wall, **435**, 2001, 81–91

Jog, M. A. *See* Liao, Jeng, Jog & Benjamin

Jones, M. A. *See* Smith & Jones

Jones, M. B., Marusic, I. & Perry, A. E.
Evolution and structure of sink-flow turbulent boundary layers, **428**, 2001, 1–27

Joseph, D. D. *See* Choi & Joseph; Pan, Joseph & Glowinski; Patankar, Huang, Ko & Joseph

Joseph, G. G., Zenit, R., Hunt, M. L. & Rosenwinkel, A. M.
Particle–wall collisions in a viscous fluid, **433**, 2001, 329–346

Juel, A., Mullin, T., Ben Hadid, H. & Henry, D.
Three-dimensional free convection in molten gallium, **436**, 2001, 267–281

Kanda, I. & Linden, P. F.
Sensitivity of horizontal flows to forcing geometry, **432**, 2001, 419–441

Kannepalli, C. & Piomelli, U.
Large-eddy simulation of a three-dimensional shear-driven turbulent boundary layer, **423**, 2000, 175–203

Karlsson, R. I. *See* George, Abrahamsson, Eriksson, Karlsson, Löfdahl & Wosnik

Kassinos, S. C., Reynolds, W. C. & Rogers, M. M.
One-point turbulence structure tensors, **428**, 2001, 213–248

Kaye, N. G. *See* Hunt & Kaye

Keller, K. H. & Van Atta, C. W.
An experimental investigation of the vertical temperature structure of homogeneous stratified shear turbulence, **425**, 2000, 1–30

Kelly, R. E. *See* Or & Kelly

Kendon, V. M., Cates, M. E., Pagonabarraga, I., Desplat, J.-C. & Bladon, P.
Inertial effects in three-dimensional spinodal decomposition of a symmetric binary fluid mixture: a lattice Boltzmann study, **440**, 2001, 147–203

Kerr, O. S.
Oscillatory double-diffusive instabilities in a vertical slot, **426**, 2001, 347–354

Kerr, R. C. *See* Bloomfield & Kerr

Khomami, B. *See* Huang & Khomami

Kim, C. S. *See* Comer, Kleinstreuer & Kim

Kimura, Y. & Herring, J. R.
Gradient enhancement and filament ejection for a non-uniform elliptic vortex in two-dimensional turbulence, **439**, 2001, 43–56

King, R. A. & Breuer, K. S.
Acoustic receptivity and evolution of two-dimensional and oblique disturbances in a Blasius boundary layer, **432**, 2001, 69–90

Kit, E. *See* Shemer, Jiao, Kit & Agnon

Kleinstreuer, C. *See* Comer, Kleinstreuer & Kim; Comer, Kleinstreuer & Zhang

Kleiser, L. *See* Maeder, Adams & Kleiser

Kliakhandler, I. L.
Inverse cascade in film flows, **423**, 2000, 205–225

Kliakhandler, I. L., Davis, S. H. & Bankoff, S. G.
Viscous beads on vertical fibre, **429**, 2001, 381–390

Kloosterziel, R. C.
Surface forced internal waves and vortices in uniformly stratified and rotating fluids, **421**, 2000, 39–81

Knio, O. M. *See* Cerutti, Meneveau & Knio

Ko, T. *See* Patankar, Huang, Ko & Joseph

Kobayashi, M. H. *See* Campos & Kobayashi

Koch, D. L. *See* Zenit, Koch & Sangani

Komori, S. *See* Nagata & Komori

Korobkin, A. A. *See* Scolan & Korobkin

Kostinski, A. B. & Shaw, R. A.
Scale-dependent droplet clustering in turbulent clouds, **434**, 2001, 389–398
Kouris, C. & Tsamopoulos, J.
Core–annular flow in a periodically constricted circular tube. Part 1. Steady-state, linear stability and energy analysis, **432**, 2001, 31–68
Kumaran, V. *See* Shankar & Kumaran
Kurdyumov, V. N. & Liñán, A.
Free and forced convection around line sources of heat and heated cylinders in porous media, **427**, 2001, 389–409

Laberteaux, K. R. & Ceccio, S. L.
Partial cavity flows. Part 1. Cavities forming on models without spanwise variation, **431**, 2001, 1–41
Partial cavity flows. Part 2. Cavities forming on test objects with spanwise variation, **431**, 2001, 43–63
Lam, J. S.-L. & Dritschel, D. G.
On the beta-drift of an initially circular vortex patch, **436**, 2001, 107–129
Lauchle, G. C. *See* Howe, Lauchle & Wang
Launder, B. E. *See* Craft & Launder; Hunt, Sandham, Vassilicos, Launder, Monkewitz & Hewitt
Laurence, D. *See* Manceau, Wang & Laurence
Lawrence, G. A. *See* Zhu & Lawrence
Lawson, N. J. *See* Stokes, Graham, Lawson & Boger
Lee, D. & Choi, H.
Magnetohydrodynamic turbulent flow in a channel at low magnetic Reynolds number, **439**, 2001, 367–394
Lele, S. K. *See* Freund, Lele & Moin; Freund, Moin & Lele
LeMetayer, O. *See* Saurel & LeMetayer
Leonard, A. *See* Shiels & Leonard
Liao, X. *See* Zhang, Earnshaw, Liao & Busse
Liao, Y., Jeng, S. M., Jog, M. A. & Benjamin, M. A.
The effect of air swirl profile on the instability of a viscous liquid jet, **424**, 2000, 1–20
Lieuwen, T.
Theoretical investigation of unsteady flow interactions with a premixed planar flame, **435**, 2001, 289–303
Lin, H. & Szeri, A. J.
Shock formation in the presence of entropy gradients, **431**, 2001, 161–188
Liñán, A. *See* García-Schäfer & Liñán; Kurdyumov & Liñán
Linden, P. F. *See* Hunt & Linden; Kanda & Linden
Linden, P. F. & Turner, J. S.
The formation of 'optimal' vortex rings, and the efficiency of propulsion devices, **427**, 2001, 61–72
Ling, W., Chung, J. N. & Crowe, C. T.
Direct numerical simulation of a two-way thermally coupled droplet-laden mixing layer, **437**, 2001, 45–68
Linton, C. M. *See* Cadby & Linton
Liow, J.-L.
Splash formation by spherical drops, **427**, 2001, 73–106
Lithgow-Bertelloni, C., Richards, M. A., Conrad, C. P. & Griffiths, R. W.
Plume generation in natural thermal convection at high Rayleigh and Prandtl numbers, **434**, 2001, 1–21
Liu, Y. *See* Xue, Xü, Liu & Yue
Liu, Y., Xue, M. & Yue, D. K. P.
Computations of fully nonlinear three-dimensional wave–wave and wave–body interactions. Part 2. Nonlinear waves and forces on a body, **438**, 2001, 41–65
Llewellyn Smith, S. G. *See* Balmforth, Llewellyn Smith & Young
Lloyd, P. M. *See* Stansby & Lloyd
Lloyd, P. M., Stansby, P. K. & Chen, D.
Wake formation around islands in oscillatory laminar shallow-water flows. Part 1. Experimental investigation, **429**, 2001, 217–238
Loeffler, J. *See* Elsberry, Loeffler, Zhou & Wygnanski
Löfdahl, L. *See* George, Abrahamsson, Eriksson, Karlsson, Löfdahl & Wosnik
Lohse, D. *See* Grossmann, Heydt & Lohse
Longuet-Higgins, M. S.
Theory of water waves derived from a Lagrangian. Part 1. Standing waves, **423**, 2000, 275–291
Loper, D. E.
On the structure of a Taylor column driven by a buoyant parcel in an unbounded rotating fluid, **427**, 2001, 131–165
Lopez, J. M., Marques, F. & Sanchez, J.
Oscillatory modes in an enclosed swirling flow, **439**, 2001, 109–129
Lozano, A., Barreras, F., Hauke, G. & Dopazo, C.
Longitudinal instabilities in an air-blasted liquid sheet, **437**, 2001, 143–173
Lumley, J. L. *See* Choi & Lumley
Lumpkin, R. *See* Flament, Lumpkin, Tournadre & Armi
Lygren, M. & Andersson, H. I.
Turbulent flow between a rotating and a stationary disk, **426**, 2001, 297–326

Maas, L. R. M.
Wave focusing and ensuing mean flow due to symmetry breaking in rotating fluids, **437**, 2001, 13–28
McBain, G. D.
Convection in a horizontally heated sphere, **438**, 2001, 1–10

McIver, P.
Water-wave propagation through an infinite array of cylindrical structures, **424**, 2000, 101–125
Maderich, V. S., Heijst, G. J. F. van & Brandt, A.
Laboratory experiments on intrusive flows and internal waves in a pycnocline, **432**, 2001, 285–311
Maeda, T. *See* Howe, Iida, Fukuda & Maeda
Maeder, T., Adams, N. A. & Kleiser, L.
Direct simulation of turbulent supersonic boundary layers by an extended temporal approach, **429**, 2001, 187–216
Mamou, M., Vasseur, P. & Hasnaoui, M.
On numerical stability analysis of double-diffusive convection in confined enclosures, **433**, 2001, 209–250
Manceau, R., Wang, M. & Laurence, D.
Inhomogeneity and anisotropy effects on the redistribution term in Reynolds-averaged Navier–Stokes modelling, **438**, 2001, 307–338
Mann, J. *See* Ott & Mann
Marques, F. *See* Lopez, Marques & Sanchez
Marshall, J. S. *See* Gossler & Marshall
Martí, J. M. *See* Pons, Martí & Müller
Martin Witkowski, L., Marty, P. & Walker, J. S.
Liquid-metal flow in a finite-length cylinder with a high-frequency rotating magnetic field, **436**, 2001, 131–143
Marty, P. *See* Martin Witkowski, Marty & Walker
Marusic, I. *See* Jones, Marusic & Perry
Maslov, A. A., Shiplyuk, A. N., Sidorenko, A. A. & Arnal, D.
Leading-edge receptivity of a hypersonic boundary layer on a flat plate, **426**, 2001, 73–94
Mason, R. *See* Woods & Mason
Matalon, M. *See* Armendáriz & Matalon
Matar, O. K. *See* Craster & Matar
Maté, B., Graur, I. A., Elizarova, T., Chirokov, I., Tejeda, G., Fernández, J. M. & Montero, S.
Experimental and numerical investigation of an axisymmetric supersonic jet, **426**, 2001, 177–197
Matsubara, M. & Alfredsson, P. H.
Disturbance growth in boundary layers subjected to free-stream turbulence, **430**, 2001, 149–168
Meguro, T. *See* Igra, Wu, Falcovitz, Meguro, Takayama & Heilig
Mei, C. C. & Yuhi, M.
Slow flow of a Bingham fluid in a shallow channel of finite width, **431**, 2001, 135–159
Meiburg, E., Wallner, E., Pagella, A., Riaz, A., Härtel, C. & Necker, F.
Vorticity dynamics of dilute two-way-coupled particle-laden mixing layers, **421**, 2000, 185–227
Meijer, H. E. H. *See* Verschueren, Vosse & Meijer
Meinhart, C. D. *See* Adrian, Meinhart & Tomkins
Menasce, D. *See* Bridges, Dias & Menasce
Meneveau, C. *See* Cerutti, Meneveau & Knio
Mezić, I.
Chaotic advection in bounded Navier–Stokes flows, **431**, 2001, 347–370
Mi, J., Nobes, D. S. & Nathan, G. J.
Influence of jet exit conditions on the passive scalar field of an axisymmetric free jet, **432**, 2001, 91–125
Miksis, M. J. & Vanden-Broeck, J.-M.
Motion of a triple junction, **437**, 2001, 385–394
Miles, J. W.
Stability of inviscid shear flow over a flexible boundary, **434**, 2001, 371–378
See also Ierley & Miles
Miller, K. *See* Elcrat, Fornberg & Miller
Miller, R. S., Harstad, K. G. & Bellan, J.
Direct numerical simulations of supercritical fluid mixing layers applied to heptane–nitrogen, **436**, 2001, 1–39
Mizushima, J. & Shiotani, Y.
Transitions and instabilities of flow in a symmetric channel with a suddenly expanded and contracted part, **434**, 2001, 355–369
Möhring, W.
Energy conservation, time-reversal invariance and reciprocity in ducts with flow, **431**, 2001, 223–237
Mohseni, K., Ran, H. & Colonius, T.
Numerical experiments on vortex ring formation, **430**, 2001, 267–282
Moin, P. *See* Freund, Lele & Moin; Freund, Moin & Lele
Molin, B.
On the piston and sloshing modes in moonpools, **430**, 2001, 27–50
Monica, A. & Prasad, P.
Propagation of a curved weak shock, **434**, 2001, 119–151
Monkewitz, P. A. *See* Hunt, Sandham, Vassilicos, Launder, Monkewitz & Hewitt
Montero, S. *See* Maté, Graur, Elizarova, Chirokov, Tejeda, Fernández & Montero
Moreau, R. *See* Pothérat, Sommeria & Moreau
Morris, S. J. S.
Contact angles for evaporating liquids predicted and compared with existing experiments, **432**, 2001, 1–30
Moston, J., Stewart, P. A. & Cowley, S. J.
On the nonlinear growth of two-dimensional Tollmien–Schlichting waves in a flat-plate boundary layer, **425**, 2000, 259–300

Mudde, R. F. & Saito, T.
Hydrodynamical similarities between bubble column and bubbly pipe flow, **437**, 2001, 203–228
Müller, E. *See* Pons, Marti & Müller
Mullin, T. *See* Juel, Mullin, Ben Hadid & Henry; Peacock & Mullin
Mungal, M. G. *See* Urban & Mungal

Nagata, K. & Komori, S.
The difference in turbulent diffusion between active and passive scalars in stable thermal stratification, **430**, 2001, 361–380
Nahen, K. *See* Brujan, Nahen, Schmidt & Vogel
Nakabayashi, K. *See* Sha & Nakabayashi
Narasimha, R. *See* Govindarajan & Narasimha
Nathan, G. J. *See* Mi, Nobes & Nathan
Necker, F. *See* Meiburg, Wallner, Pagella, Riaz, Härtel & Necker
Neogi, P.
Contact line instability in spontaneous spreading of a drop on a solid surface, **428**, 2001, 171–183
Nitsche, M.
Self-similar shedding of vortex rings, **435**, 2001, 397–407
Nobes, D. S. *See* Mi, Nobes & Nathan
Noir, J., Jault, D. & Cardin, P.
Numerical study of the motions within a slowly precessing sphere at low Ekman number, **437**, 2001, 283–299
Norato, M. A. *See* Spelt, Norato, Sangani, Greenwood & Tavlarides

Oberlack, M.
A unified approach for symmetries in plane parallel turbulent shear flows, **427**, 2001, 299–328
Olbers, D. J. *See* Gryanik, Doronina, Olbers & Warncke
Olson, P. L. *See* Aurnou & Olson
Or, A. C., Cortelezzi, L. & Speyer, J. L.
Robust feedback control of Rayleigh–Bénard convection, **437**, 2001, 175–202
Or, A. C. & Kelly, R. E.
Feedback control of weakly nonlinear Rayleigh–Bénard–Marangoni convection, **440**, 2001, 27–48
Orlandi, P. *See* Carnevale, Briscolini & Orlandi
Ott, S. & Mann, J.
An experimental investigation of the relative diffusion of particle pairs in three-dimensional turbulent flow, **422**, 2000, 207–223
Otto, S. R. *See* Sarkies & Otto
Otto, S. R., Yannacopoulos, A. N. & Blake, J. R.
Transport and mixing in Stokes flow: the effect of chaotic dynamics on the blinking stokeslet, **430**, 2001, 1–26

Pagella, A. *See* Meiburg, Wallner, Pagella, Riaz, Härtel & Necker
Pagonabarraga, I. *See* Kendon, Cates, Pagonabarraga, Desplat & Bladon
Pan, T. W., Joseph, D. D. & Glowinski, R.
Modelling Rayleigh–Taylor instability of a sedimenting suspension of several thousand circular particles in direct numerical simulation, **434**, 2001, 23–37
Părău, E. & Dias, F.
Interfacial periodic waves of permanent form with free-surface boundary conditions, **437**, 2001, 325–336
Park, J. S. & Hyun, J. M.
Transient response of a compressible fluid in a rapidly rotating circular pipe, **427**, 2001, 275–298
Parkinson, G. V. *See* Yeung & Parkinson
Pasquero, C., Provenzale, A. & Babiano, A.
Parameterization of dispersion in two-dimensional turbulence, **439**, 2001, 279–303
Patankar, N. A., Huang, P. Y., Ko, T. & Joseph, D. D.
Lift-off of a single particle in Newtonian and viscoelastic fluids by direct numerical simulation, **438**, 2001, 67–100
Pawlak, G. & Armi, L.
Mixing and entrainment in developing stratified currents, **424**, 2000, 45–73
Peacock, T. & Mullin, T.
Homoclinic bifurcations in a liquid-crystal flow, **432**, 2001, 369–386
Peake, N.
Nonlinear stability of a fluid-loaded elastic plate with mean flow, **434**, 2001, 101–118
Pedrizzetti, G. *See* Zovatto & Pedrizzetti
Peinke, J. *See* Renner, Peinke & Friedrich
Pelekasis, N. A. *See* Smyrnaios, Pelekasis & Tsamopoulos
Pelekasis, N. A. & Tsamopoulos, J. A.
Linear stability of a gas boundary layer flowing past a thin liquid film over a flat plate, **436**, 2001, 321–352
Peregrine, D. H. & Williams, S. M.
Swash overtopping a truncated plane beach, **440**, 2001, 391–399
Perry, A. E. *See* Jones, Marusic & Perry
Perry, A. E., Hafez, S. & Chong, M. S.
A possible reinterpretation of the Princeton superpipe data, **439**, 2001, 395–401
Persillon, H. *See* Braza, Faghani & Persillon
Phan-Thien, N. *See* Fan, Phan-Thien & Tanner; Fan, Tanner & Phan-Thien
Phillips, W. R. C.
On the pseudomomentum and generalized Stokes drift in a spectrum of rotational waves, **430**, 2001, 209–229
See also Sakakibara, Hishida & Phillips

Pier, B. & Huerre, P.
Nonlinear self-sustained structures and fronts in spatially developing wake flows, **435**, 2001, 145–174
Pierce, N. A. *See* Giles & Pierce
Piomelli, U. *See* Kannepalli & Piomelli
Poggie, J. & Smits, A. J.
Shock unsteadiness in a reattaching shear layer, **429**, 2001, 155–185
Pons, J. A., Martí, J. M. & Müller, E.
The exact solution of the Riemann problem with non-zero tangential velocities in relativistic hydrodynamics, **422**, 2000, 125–139
Ponty, Y., Gilbert, A. D. & Soward, A. M.
Kinematic dynamo action in large magnetic Reynolds number flows driven by shear and convection, **435**, 2001, 261–287
Porter, D. *See* Porter & Porter
Porter, R. & Porter, D.
Interaction of water waves with three-dimensional periodic topography, **434**, 2001, 301–335
Pothérat, A., Sommeria, J. & Moreau, R.
An effective two-dimensional model for MHD flows with transverse magnetic field, **424**, 2000, 75–100
Pozrikidis, C.
Theoretical and computational aspects of the self-induced motion of three-dimensional vortex sheets, **425**, 2000, 335–366
Effect of membrane bending stiffness on the deformation of capsules in simple shear flow, **440**, 2001, 269–291
Prasad, P. *See* Monica & Prasad
Prosperetti, A. & Ren, M.
Comments on 'Radial pulsations of a fluid sphere in a sound wave' by S. Temkin, **430**, 2001, 401–405
Provenzale, A. *See* Pasquero, Provenzale & Babiano

Qiao, H. & Duncan, J. H.
Gentle spilling breakers: crest flow-field evolution, **439**, 2001, 57–85
Quadrio, M. & Sibilla, S.
Numerical simulation of turbulent flow in a pipe oscillating around its axis, **424**, 2000, 217–241
Quinn, W. *See* Anderson, Quinn & DeMont
Quirk, J. J. *See* Eckett, Quirk & Shepherd

Radcliff, T. D., Burgraff, O. R. & Conlisk, A. T.
On the three-dimensional interaction of a rotor-tip vortex with a cylindrical surface, **425**, 2000, 301–334
Radko, T. & Stern, M. E.
Finite-amplitude salt fingers in a vertically bounded layer, **425**, 2000, 133–160
Rainey, R. C. T. *See* Stansby & Rainey
Ramé, E.
The spreading of surfactant-laden liquids with surfactant transfer through the contact line, **440**, 2001, 205–234
Ran, H. *See* Mohseni, Ran & Colonius
Randriamampianina, A., Schiestel, R. & Wilson, M.
Spatio-temporal behaviour in an enclosed corotating disc pair, **434**, 2001, 39–64
Redekopp, L. G. *See* Horn, Redekopp, Imberger & Ivey
Reed, B. L., Hirsa, A. H. & Steen, P. H.
Vorticity transport in solidification boundary layers, **426**, 2001, 397–406
Rehab, H. *See* Villermaux & Rehab
Ren, M. *See* Prosperetti & Ren
Renner, C., Peinke, J. & Friedrich, R.
Experimental indications for Markov properties of small-scale turbulence, **433**, 2001, 383–409
Reynolds, W. C. *See* Kassinos, Reynolds & Rogers
Reznik, G. M., Grimshaw, R. & Benilov, E. S.
On the long-term evolution of an intense localized divergent vortex on the beta-plane, **422**, 2000, 249–280
Reznik, G. M. & Sutyrin, G. G.
Baroclinic topographic modons, **437**, 2001, 121–142
Riaz, A. *See* Meiburg, Wallner, Pagella, Riaz, Härtel & Necker
Ribe, N. M.
Bending and stretching of thin viscous sheets, **433**, 2001, 135–160
Richards, M. A. *See* Lithgow-Bertelloni, Richards, Conrad & Griffiths
Rienstra, S. W. & Eversman, W.
A numerical comparison between the multiple-scales and finite-element solution for sound propagation in lined flow ducts, **437**, 2001, 367–384
Rieutord, M., Georgeot, B. & Valdettaro, L.
Inertial waves in a rotating spherical shell: attractors and asymptotic spectrum, **435**, 2001, 103–144
Ripa, P.
Waves and resonance in free-boundary baroclinic instability, **428**, 2001, 387–408
Risso, F. *See* Ellingsen & Risso
Rockwell, D. *See* Cetiner & Rockwell
Rogers, M. M. *See* Kassinos, Reynolds & Rogers
Romano, G. P. & Antonia, R. A.
Longitudinal and transverse structure functions in a turbulent round jet: effect of initial conditions and Reynolds number, **436**, 2001, 231–248

Rosenwinkel, A. M. *See* Joseph, Zenit, Hunt & Rosenwinkel

Ross, A. B., Wilson, S. K. & Duffy, B. R.
Thin-film flow of a viscoplastic material round a large horizontal stationary or rotating cylinder, **430**, 2001, 309–333

Rouson, D. W. I. & Eaton, J. K.
On the preferential concentration of solid particles in turbulent channel flow, **428**, 2001, 149–169

Ruban, A. I. & Turkyilmaz, I.
On laminar separation at a corner point in transonic flow, **423**, 2000, 345–380

Rusak, Z. *See* Giddings, Rusak & Fish; Hawa & Rusak

Saito, T. *See* Mudde & Saito

Sakakibara, J., Hishida, K. & Phillips, W. R. C.
On the vortical structure in a plane impinging jet, **434**, 2001, 273–300

Sanchez, J. *See* Lopez, Marques & Sanchez

Sandham, N. D. *See* Hunt, Sandham, Vassilicos, Launder, Monkewitz & Hewitt

Sangani, A. S. *See* Spelt, Norato, Sangani, Greenwood & Tavlarides; Zenit, Koch & Sangani

Sarkar, K. & Schowalter, W. R.
Deformation of a two-dimensional drop at non-zero Reynolds number in time-periodic extensional flows: numerical simulation, **436**, 2001, 177–206
Deformation of a two-dimensional viscous drop in time-periodic extensional flows: analytical treatment, **436**, 2001, 207–230

Sarkies, J. M. & Otto, S. R.
Görtler vortices in compressible mixing layers, **427**, 2001, 359–388

Sasaki, T. *See* Inoue, Hattori & Sasaki

Sauer, J. *See* Delale, Schnerr & Sauer

Saurel, R. & LeMetayer, O.
A multiphase model for compressible flows with interfaces, shocks, detonation waves and cavitation, **431**, 2001, 239–271

Sazonov, I. A. *See* Shrira, Voronovich & Sazonov

Schiestel, R. *See* Randriamampianina, Schiestel & Wilson

Schmidt, M. A. *See* Arkilic, Breuer & Schmidt

Schmidt, P. *See* Brujan, Nahen, Schmidt & Vogel

Schnerr, G. H. *See* Delale, Schnerr & Sauer

Schowalter, W. R. *See* Sarkar & Schowalter

Schwendeman, D. W. *See* Hornung & Schwendeman

Scolan, Y.-M. & Korobkin, A. A.
Three-dimensional theory of water impact. Part 1. Inverse Wagner problem, **440**, 2001, 293–326

Scott, J. F. *See* Godeferd, Cambon & Scott

Seminara, G. *See* Zolezzi & Seminara

Seminara, G. & Tubino, M.
Sand bars in tidal channels. Part 1. Free bars, **440**, 2001, 49–74

Seminara, G., Zolezzi, G., Tubino, M. & Zardi, D.
Downstream and upstream influence in river meandering. Part 2. Planimetric development, **438**, 2001, 213–230

Serre, E., Crespo del Arco, E. & Bontoux, P.
Annular and spiral patterns in flows between rotating and stationary discs, **434**, 2001, 65–100

Sha, W. & Nakabayashi, K.
On the structure and formation of spiral Taylor–Görtler vortices in spherical Couette flow, **431**, 2001, 323–345

Shankar, P. N.
On Stokes flow in semi-infinite wedge, **422**, 2000, 69–90

Shankar, V. & Kumaran, V.
Weakly nonlinear stability of viscous flow past a flexible surface, **434**, 2001, 337–354

Shaw, R. A. *See* Kostinski & Shaw

Shemer, L., Jiao, H., Kit, E. & Agnon, Y.
Evolution of a nonlinear wave field along a tank: experiments and numerical simulations based on the spatial Zakharov equation, **427**, 2001, 107–129

Shen, L. & Yue, D. K. P.
Large-eddy simulation of free-surface turbulence, **440**, 2001, 75–116

Shepherd, J. E. *See* Eckett, Quirk & Shepherd

Sherwin, S. J. *See* Darekar & Sherwin

Shiels, D. & Leonard, A.
Investigation of a drag reduction on a circular cylinder in rotary oscillation, **431**, 2001, 297–322

Shiotani, Y. *See* Mizushima & Shiotani

Shiplyuk, A. N. *See* Maslov, Shiplyuk, Sidorenko & Arnal

Short, M.
A nonlinear evolution equation for pulsating Chapman–Jouguet detonations with chain-branching kinetics, **430**, 2001, 381–400
See also Balachandar, Buckmaster & Short

Shrira, V. I., Voronovich, V. V. & Sazonov, I. A.
Wave breaking due to internal wave–shear flow resonance over a sloping bottom, **425**, 2000, 187–211

Sibilla, S. *See* Quadrio & Sibilla

Sidorenko, A. A. *See* Maslov, Shiplyuk, Sidorenko & Arnal

Simens, M. P. *See* Jiménez & Simens

Simoëns, S. *See* Vinçont, Simoëns, Ayrault & Wallace

Skarda, J. R. L.
Instability of a gravity-modulated fluid layer with surface tension variation, **434**, 2001, 243–271
Smith, F. T. & Jones, M. A.
One-to-few and one-to-many branching tube flows, **423**, 2000, 1–31
Smith, F. T. & Timoshin, S. N.
On 'spot' evolution under an adverse pressure gradient, **430**, 2001, 169–207
Smits, A. J. *See* Poggie & Smits
Smyrnaios, D. N., Pelekasis, N. A. & Tsamopoulos, J. A.
Boundary layer flow of air past solid surfaces in the presence of rainfall, **425**, 2000, 79–110
Sokolovskiy, M. A. & Verron, J.
Finite-core hetons: stability and interactions, **423**, 2000, 127–154
Solan, A. *See* Gelfgat, Bar-Yoseph & Solan
Soltani, S. *See* Jackson, Hillier & Soltani
Sommeria, J. *See* Pothérat, Sommeria & Moreau
Sona, G. *See* Allouche, Frigaard & Sona
Sørensen, J. N. *See* Brøns, Voigt & Sørensen
Sotiropoulos, F. & Ventikos, Y.
The three-dimensional structure of confined swirling flows with vortex breakdown, **426**, 2001, 155–175
Soward, A. M. *See* Ponty, Gilbert & Soward
Spelt, P. D. M., Norato, M. A., Sangani, A. S., Greenwood, M. S. & Tavlarides, L. L.
Attenuation of sound in concentrated suspensions: theory and experiments, **430**, 2001, 51–86
Speyer, J. L. *See* Or, Cortelezzi & Speyer
Stansby, P. K. *See* Lloyd, Stansby & Chen
Stansby, P. K. & Lloyd, P. M.
Wake formation around islands in oscillatory laminar shallow-water flows. Part 2. Three-dimensional boundary-layer modelling, **429**, 2001, 239–254
Stansby, P. K. & Rainey, R. C. T.
On the orbital response of a rotating cylinder in a current, **439**, 2001, 87–108
Startsev, S. A. *See* Verevochkin & Startsev
Steen, P. H. *See* Reed, Hirsa & Steen
Stein, C. F.
Quantities which define conically self-similar free-vortex solutions to the Navier–Stokes equations uniquely, **438**, 2001, 159–181
Stern, M. E. *See* Radko & Stern
Stewart, P. A. *See* Moston, Stewart & Cowley
Stokes, J. R., Graham, L. J. W., Lawson, N. J. & Boger, D. V.
Swirling flow of viscoelastic fluids. Part 1. Interaction between inertia and elasticity, **429**, 2001, 67–115
Swirling flow of viscoelastic fluids. Part 2. Elastic effects, **429**, 2001, 117–153
Strang, E. J. & Fernando, H. J. S.
Entrainment and mixing in stratified shear flows, **428**, 2001, 349–386
Su, Y.-C. & Chung, J. N.
Linear stability analysis of mixed-convection flow in a vertical pipe, **422**, 2000, 141–166
Sutherland, B. R.
Finite-amplitude internal wavepacket dispersion and breaking, **429**, 2001, 343–380
Sutyrin, G. G. *See* Reznik & Sutyrin
Swan, C., Cummins, I. P. & James, R. L.
An experimental study of two-dimensional surface water waves propagating on depth varying currents. Part 1. Regular waves, **428**, 2001, 273–304
Swinney, H. L. *See* Tian, Weeks, Ide, Urback, Baroud, Ghil & Swinney
Szeri, A. J. *See* Lin & Szeri

Takayama, K. *See* Henderson, Takayama, Crutchfield & Itabashi; Igra, Wu, Falcovitz, Meguro, Takayama & Heilig
Tanner, R. I. *See* Fan, Phan-Thien & Tanner; Fan, Tanner & Phan-Thien
Tardu, S. F.
Active control of near-wall turbulence by local oscillating blowing, **439**, 2001, 217–253
Tavlarides, L. L. *See* Spelt, Norato, Sangani, Greenwood & Tavlarides
Teixeira, M. A. C. & Belcher, S. E.
Dissipation of shear-free turbulence near boundaries, **422**, 2000, 167–191
Tejeda, G. *See* Maté, Graur, Elizarova, Chirokov, Tejeda, Fernández & Montero
Tian, Y., Weeks, E. R., Ide, K., Urback, J. S., Baroud, C. N., Ghil, M. & Swinney, H. L.
Experimental and numerical studies of an eastward jet over topography, **438**, 2001, 129–157
Tilgner, A. & Busse, F. H.
Fluid flows in precessing spherical shells, **426**, 2001, 387–396
Tilley, B. S., Davis, S. H. & Bankoff, S. G.
Unsteady Stokes flow near an oscillating, heated contact line, **438**, 2001, 339–362
Timokha, A. N. *See* Faltinsen & Timokha
Timoshin, S. N. *See* Smith & Timoshin
Toll, S.
A solution technique for longitudinal Stokes flow around multiple aligned cylinders, **439**, 2001, 199–216
Tomkins, C. D. *See* Adrian, Meinhart & Tomkins
Tong, Z. *See* Wang & Tong
Tournadre, J. *See* Flament, Lumpkin, Tournadre & Armi
Tsamopoulos, J. A. *See* Kouris & Tsamopoulos; Pelekasis & Tsamopoulos; Smyrnaios, Pelekasis & Tsamopoulos

Tubino, M. *See* Seminara & Tubino; Seminara, Zolezzi, Tubino & Zardi
Tucker III, C. L. *See* Wetzel & Tucker III
Turkyilmaz, I. *See* Ruban & Turkyilmaz
Turner, J. S. *See* Linden & Turner

Urback, J. S. *See* Tian, Weeks, Ide, Urback, Baroud, Ghil & Swinney
Urban, W. D. & Mungal, M. G.
Planar velocity measurements in compressible mixing layers, **431**, 2001, 189–222

Valdettaro, L. *See* Rieutord, Georgeot & Valdettaro
Van Atta, C. W. *See* Keller & Van Atta
Vanden-Broeck, J.-M. *See* Miksis & Vanden-Broeck
Vasseur, P. *See* Mamou, Vasseur & Hasnaoui
Vassilicos, J. C. *See* Hunt, Sandham, Vassilicos, Launder, Monkewitz & Hewitt
Vedula, P., Yeung, P. K. & Fox, R. O.
Dynamics of scalar dissipation in isotropic turbulence: a numerical and modelling study, **433**, 2001, 29–60
Ventikos, Y. *See* Sotiropoulos & Ventikos
Verevochkin, Yu. G. & Startsev, S. A.
Numerical simulation of convection and heat transfer in water absorbing solar radiation, **421**, 2000, 293–305
Verron, J. *See* Sokolovskiy & Verron
Verschueren, M., Vosse, F. N. van de & Meijer, H. E. H.
Diffuse-interface modelling of thermo-capillary flow instabilities in a Hele-Shaw cell, **434**, 2001, 153–166
Verzicco, R. *See* Beckers, Verzicco, Clercx & Heijst
Villermaux, E. & Rehab, H.
Mixing in coaxial jets, **425**, 2000, 161–185
Viñals, J. *See* Volfson & Viñals
Vinçont, J.-Y., Simoëns, S., Ayrault, M. & Wallace, J. M.
Passive scalar dispersion in a turbulent boundary layer from a line source at the wall and downstream of an obstacle, **424**, 2000, 127–167
Vlachogiannis, M. & Bontozoglou, V.
Observations of solitary wave dynamics of film flows, **435**, 2001, 191–215
Vogel, A. *See* Brujan, Nahen, Schmidt & Vogel
Voigt, L. K. *See* Brøns, Voigt & Sørensen
Voinov, O. V.
Motion stability of a periodic system of bubbles in a liquid, **438**, 2001, 247–275
Voke, P. R. *See* Yang & Voke
Volfson, D. & Viñals, J.
Flow induced by a randomly vibrating boundary, **432**, 2001, 387–408
Voronovich, V. V. *See* Shrira, Voronovich & Sazonov
Vosse, F. N. van de *See* Verschueren, Vosse & Meijer

Waleffe, F.
Exact coherent structures in channel flow, **435**, 2001, 93–102
Walker, J. D. A. *See* Brinckman & Walker
Walker, J. S. *See* Martin Witkowski, Marty & Walker
Wallace, J. M. *See* Vinçont, Simoëns, Ayrault & Wallace
Wallner, E. *See* Meiburg, Wallner, Pagella, Riaz, Härtel & Necker
Wanderley, J. B. V. & Corke, T. C.
Boundary layer receptivity to free-stream sound on elliptic leading edges of flat plates, **429**, 2001, 1–21
Wang, C.-H. & Tong, Z.
On the density waves developed in gravity channel flows of granular materials, **435**, 2001, 217–246
Wang, J. *See* Howe, Lauchle & Wang
Wang, L.-P. *See* Zhou, Wexler & Wang
Wang, M. *See* Manceau, Wang & Laurence
Warncke, T. H. *See* Gryanik, Doronina, Olbers & Warncke
Waters, S. L.
Solute uptake through the walls of a pulsating channel, **433**, 2001, 193–208
Webb, G. M. *See* Zakharian, Brio, Hunter & Webb
Weeks, E. R. *See* Tian, Weeks, Ide, Urback, Baroud, Ghil & Swinney
Weinbaum, S. *See* Feng & Weinbaum
Wells, J. R. & Helfrich, K. R.
Circulation around a thin zonal island, **437**, 2001, 301–323
Werne, J. *See* Garten, Werne, Fritts & Arendt
Wesfreid, J. E. *See* Atkhen, Fontaine & Wesfreid
Westerburg, M. & Busse, F. H.
Finite-amplitude convection in the presence of finitely conducting boundaries, **432**, 2001, 351–367
Wetzel, E. D. & Tucker III, C. L.
Droplet deformation in dispersions with unequal viscosities and zero interfacial tension, **426**, 2001, 199–228
Wexler, A. S. *See* Zhou, Wexler & Wang
Williams, S. M. *See* Peregrine & Williams
Wilson, H. J. & Davis, R. H.
The viscosity of a dilute suspension of rough spheres, **421**, 2000, 339–367
Wilson, M. *See* Randriamampianina, Schiestel & Wilson
Wilson, S. K. *See* Ross, Wilson & Duffy

Wong, A. B. D., Griffiths, R. W. & Hughes, G. O.
Shear layers driven by turbulent plumes, **434**, 2001, 209–241
Woods, A. W. & Mason, R.
The dynamics of two-layer gravity-driven flows in permeable rock, **421**, 2000, 83–114
Worster, M. G. *See* Acton, Huppert & Worster; Aitta, Huppert & Worster
Worthing, R. A.
Bounds on the convective heat transport in containers, **431**, 2001, 427–432
Wosnik, M. *See* George, Abrahamsson, Eriksson, Karlsson, Löfdahl & Wosnik
Wosnik, M., Castillo, L. & George, W. K.
A theory for turbulent pipe and channel flows, **421**, 2000, 115–145
Wu, X.
Receptivity of boundary layers with distributed roughness to vortical and acoustic disturbances: a second-order asymptotic theory and comparison with experiments, **431**, 2001, 91–133
See also Igra, Wu, Falcovitz, Meguro, Takayama & Heilig
Wundrow, D. W. & Goldstein, M. E.
Effect on a laminar boundary layer of small-amplitude streamwise vorticity in the upstream flow, **426**, 2001, 229–262
Wygnanski, I. *See* Elsberry, Loeffler, Zhou & Wygnanski

Xü, H. *See* Xue, Xü, Liu & Yue
Xue, M. *See* Liu, Xue & Yue
Xue, M., Xü, H., Liu, Y. & Yue, D. K. P.
Computations of fully nonlinear three-dimensional wave–wave and wave–body interactions. Part 1. Dynamics of steep three-dimensional waves, **438**, 2001, 11–39

Yang, Z. & Voke, P. R.
Large-eddy simulation of boundary-layer separation and transition at a change of surface curvature, **439**, 2001, 305–333
Yannacopoulos, A. N. *See* Otto, Yannacopoulos & Blake
Yeung, P. K.
Lagrangian characteristics of turbulence and scalar transport in direct numerical simulations, **427**, 2001, 241–274
See also Vedula, Yeung & Fox
Yeung, W. W. H. & Parkinson, G. V.
Base pressure prediction in bluff-body potential-flow models, **423**, 2000, 381–394
Young, W. R. *See* Balmforth, Llewellyn Smith & Young
Yue, D. K. P. *See* Liu, Xue & Yue; Shen & Yue; Xue, Xü, Liu & Yue
Yuhi, M. *See* Mei & Yuhi

Zakharian, A. R., Brio, M., Hunter, J. K. & Webb, G. M.
The von Neumann paradox in weak shock reflection, **422**, 2000, 193–205
Zardi, D. *See* Seminara, Zolezzi, Tubino & Zardi
Zenit, R. *See* Joseph, Zenit, Hunt & Rosenwinkel
Zenit, R., Koch, D. L. & Sangani, A. S.
Measurements of the average properties of a suspension of bubbles rising in a vertical channel, **429**, 2001, 307–342
Zhang, D.-H. & Chwang, A. T.
Generation of solitary waves by forward- and backward-step bottom forcing, **432**, 2001, 341–350
Zhang, K., Earnshaw, P., Liao, X. & Busse, F. H.
On inertial waves in a rotating fluid sphere, **437**, 2001, 103–119
Zhang, Y. & Finch, J. A.
A note on single bubble motion in surfactant solutions, **429**, 2001, 63–66
Zhang, Z. *See* Comer, Kleinstreuer & Zhang
Zhou, M. D. *See* Elsberry, Loeffler, Zhou & Wygnanski
Zhou, T. *See* Danaila, Anselmet, Zhou & Antonia
Zhou, Y., Wexler, A. S. & Wang, L.-P.
Modelling turbulent collision of bidisperse inertial particles, **433**, 2001, 77–104
Zhu, D. Z. & Lawrence, G. A.
Holmboe's instability in exchange flows, **429**, 2001, 391–409
Zolezzi, G. *See* Seminara, Zolezzi, Tubino & Zardi
Zolezzi, G. & Seminara, G.
Downstream and upstream influence in river meandering. Part 1. General theory and application to overdeepening, **438**, 2001, 183–211
Zovatto, L. & Pedrizzetti, G.
Flow about a circular cylinder between parallel walls, **440**, 2001, 1–25

INDEX OF BOOK REVIEWS AND SHORT NOTICES

The name of the reviewer is given in parentheses

BELLOMO, N. & PULVIRENTI, M. (EDS.) *Modeling in Applied Sciences: A Kinetic Theory Approach*. Birkhauser, 2000. (SHORT NOTICE) **427**, 2001, 411.

CHANG, H.-C. (ED.) *Nonlinear Waves in Multi-Phase Flow*. Kluwer, 2000. (SHORT NOTICE) **427**, 2001, 412.

CHAPMAN, C. J. *High Speed Flow*. Cambridge University Press, 2000. (P. DUCK) **429**, 2001, 411.

FASANO, A. (ED.) *Complex Flows in Industrial Processes*. Birkhauser, 2000. (SHORT NOTICE) **427**, 2001, 412.

GIOVANGIGLI, V. *Multicomponent Flow Modeling*. Birkhauser, 1999. (L. C. WOODS) **431**, 2001, 444.

HOMSY, G. M., AREF, H., BREUER, K. S., HOCHGREB, S., KOSEFF, J. R., MUNSON, B. R., POWELL, K. G., ROBERTSON, C. R. & THORODDSON, S. T. *CD-ROM: Multi-media Fluid Mechanics*. Cambridge University Press, 2000. (J. M. RALLISON) **435**, 2001, 410.

JACKSON, R. *The Dynamics of Fluidized Particles*. Cambridge University Press, 2000. (J. DAVIDSON) **433**, 2001, 410.

KANTHA, L. H. & CLAYSON, C. A. *Numerical Models of Oceans and Oceanic Processes*. Academic, 2000. (D. WEBB) **432**, 2001, 442.

KANTHA, L. H. & CLAYSON, C. A. *Small-Scale Processes in Geophysical Fluid Flows*. Academic, 2000. (G. F. LANE-SERFF) **438**, 2001, 408.

MATHIEU, J. & SCOTT, J. *An Introduction to Turbulent Flow*. Cambridge University Press, 2000. (P. A. DAVIDSON) **429**, 2001, 410.

PETERS, N. *Turbulent Combustion*. Cambridge University Press, 2000. (K. N. C. BRAY) **426**, 2001, 407.

POPE, S. B. *Turbulent Flow*. Cambridge University Press, 2000. (P. DURBIN) **427**, 2001, 410.

RIAHI, D. N. *Flow Instability*. WIT Press, 2000. (A. D. D. CRAIK) **424**, 2000, 378.

SOBEY, I. J. *Introduction to Interactive Boundary Layer Theory*. Oxford University Press, 2000. (N. RILEY) **435**, 2001, 408.

TANNEHILL, J. C., ANDERSON, D. A. & PLETCHER, R. H. *Computational Fluid Mechanics and Heat Transfer*. Taylor & Francis, 1997. (N. NIKIFORAKIS) **428**, 2001, 409.